

Fig. 1  
Prior Art

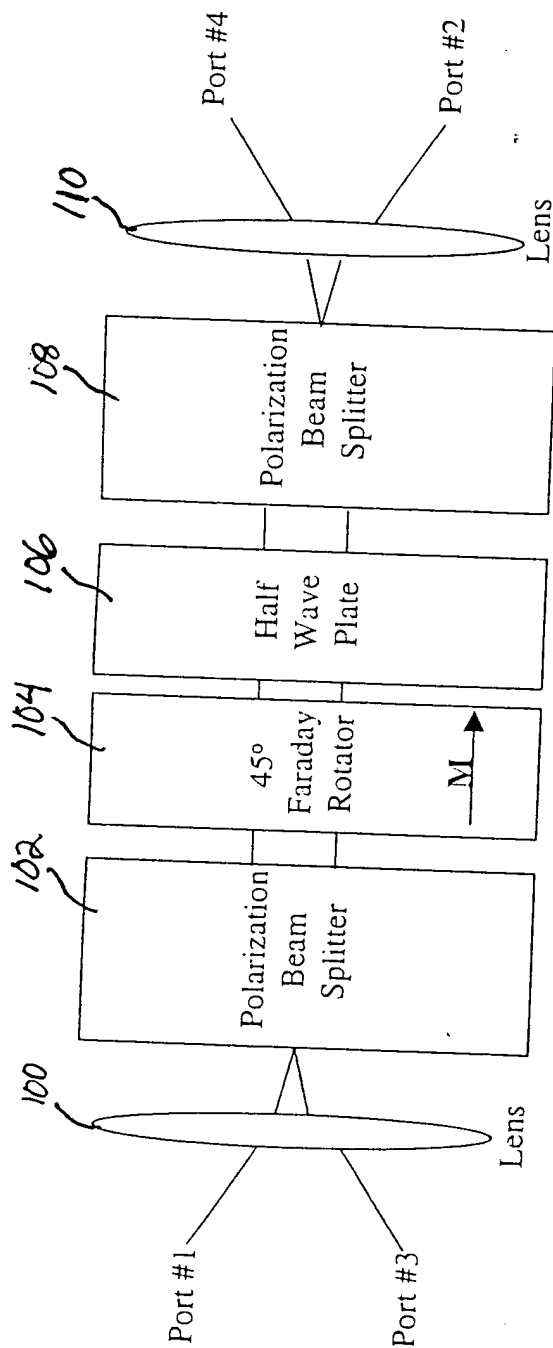


Fig. 2  
Prior Art

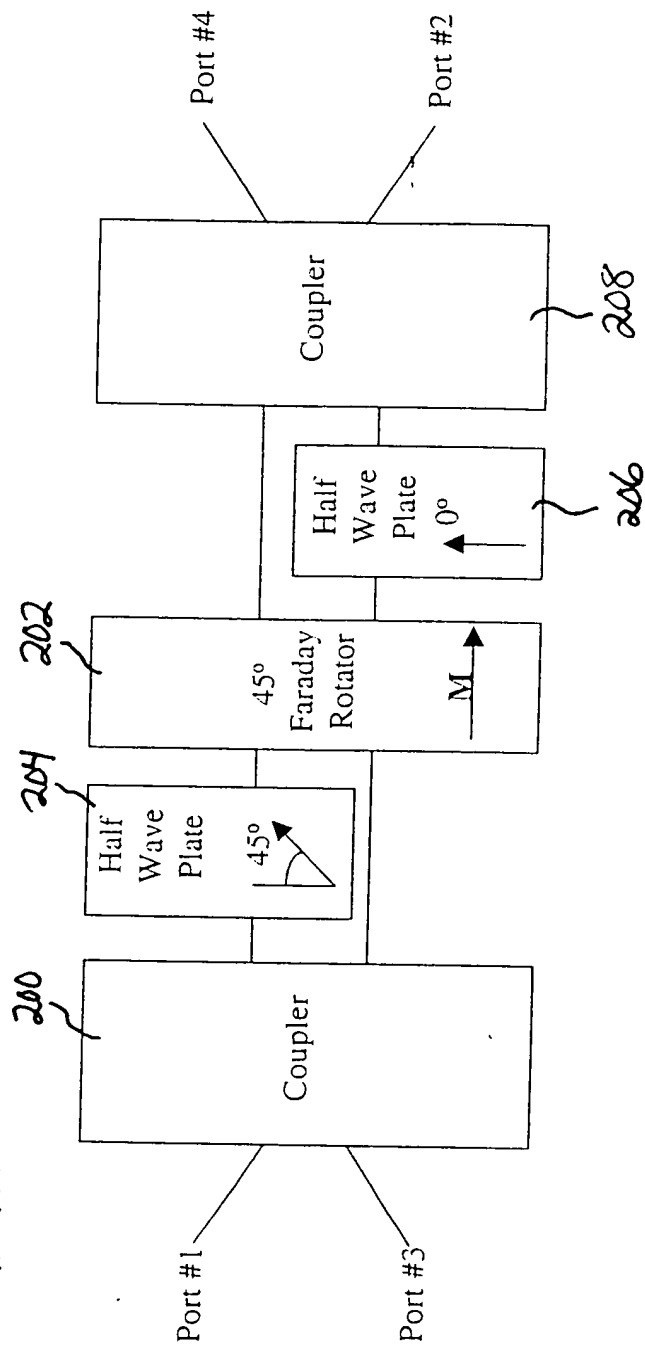


Fig. 3  
Prior Art

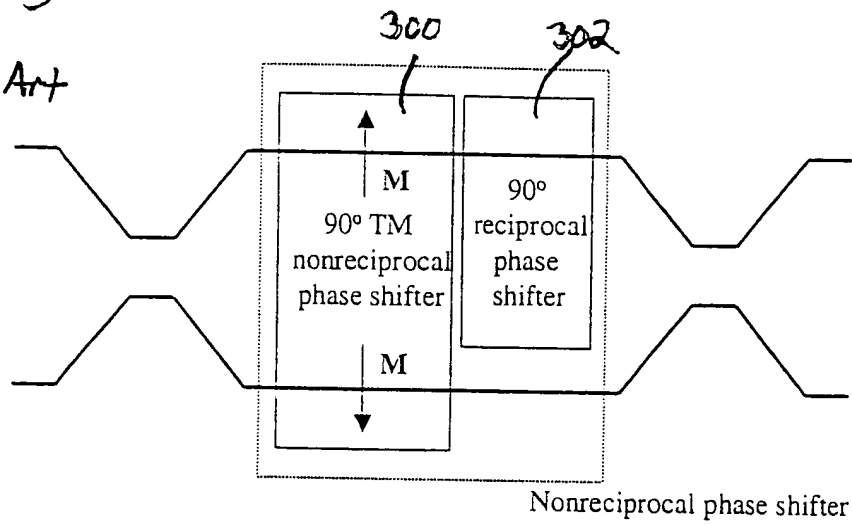
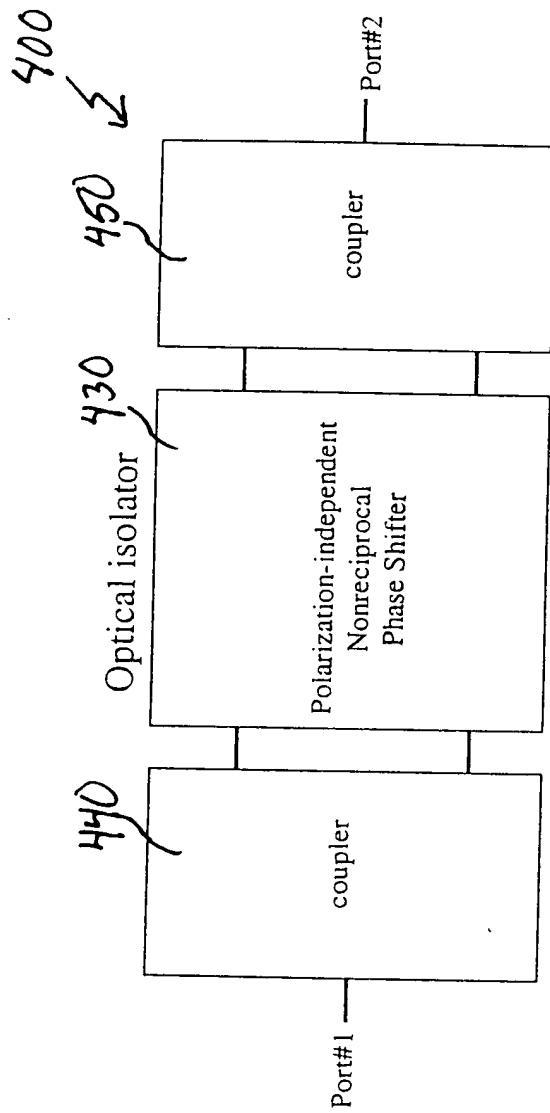


Fig. 4A



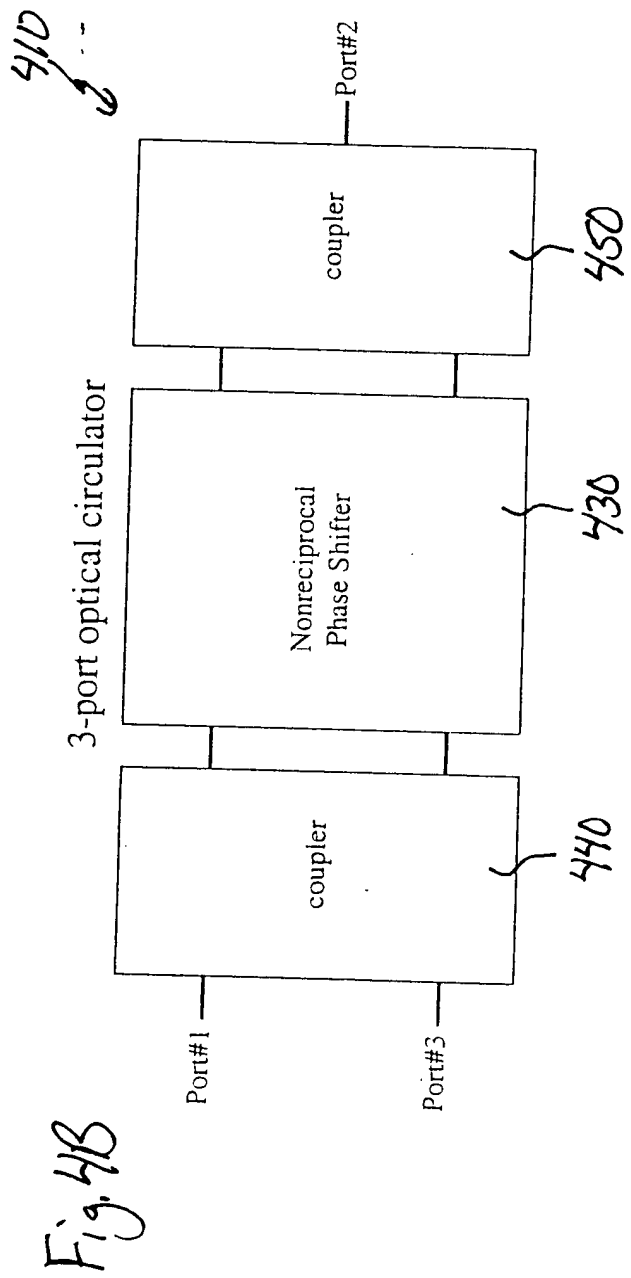


Fig. 4C

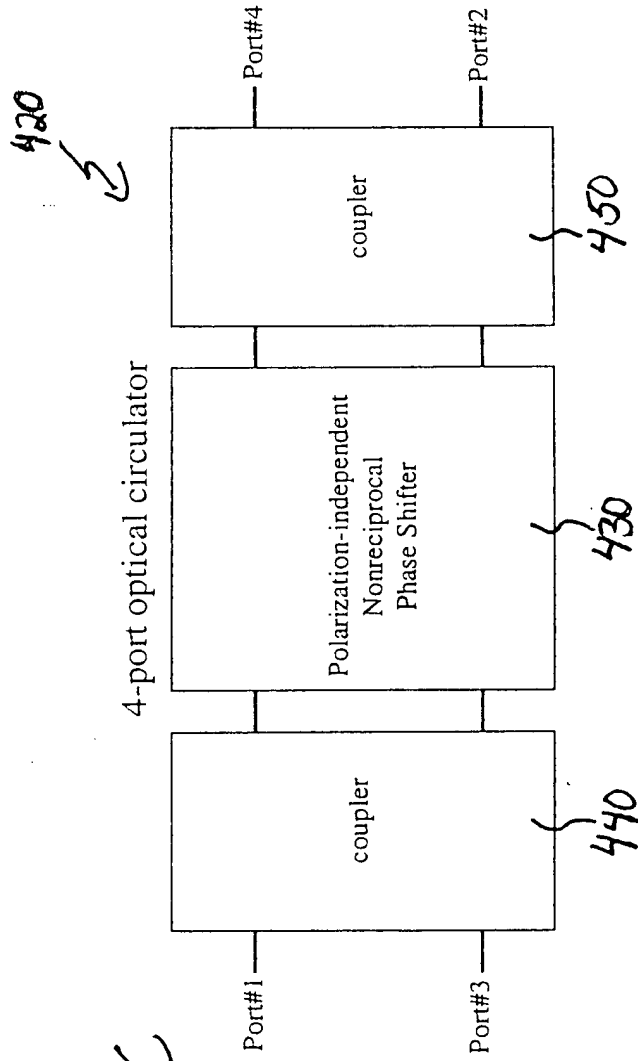


Fig. 5A

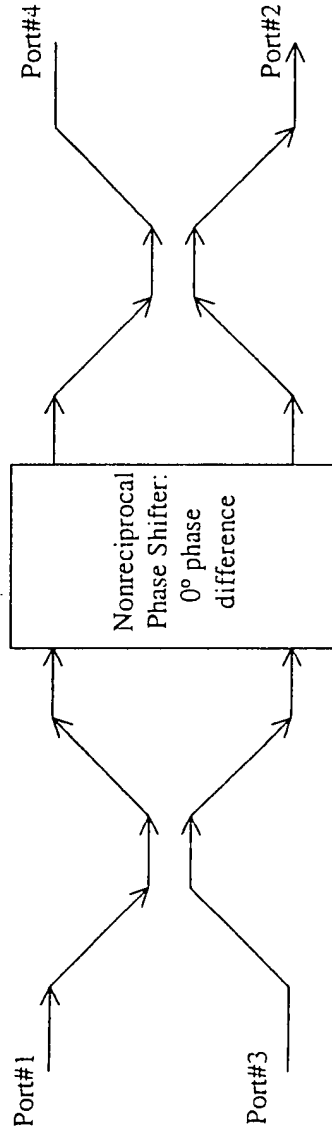


Fig. 5B

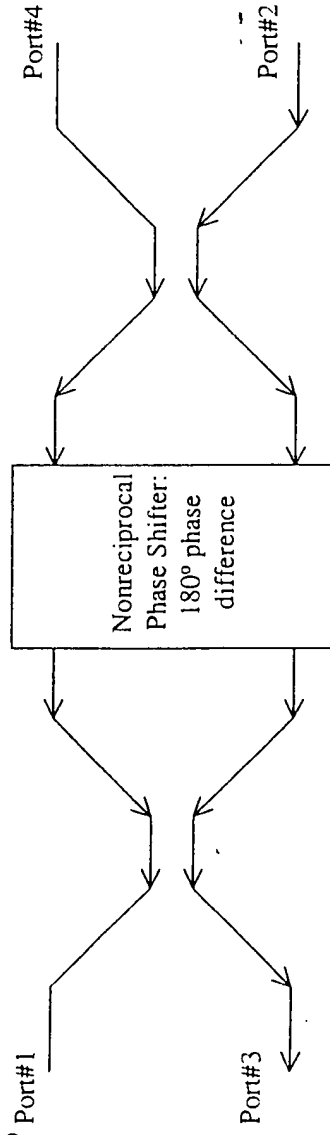
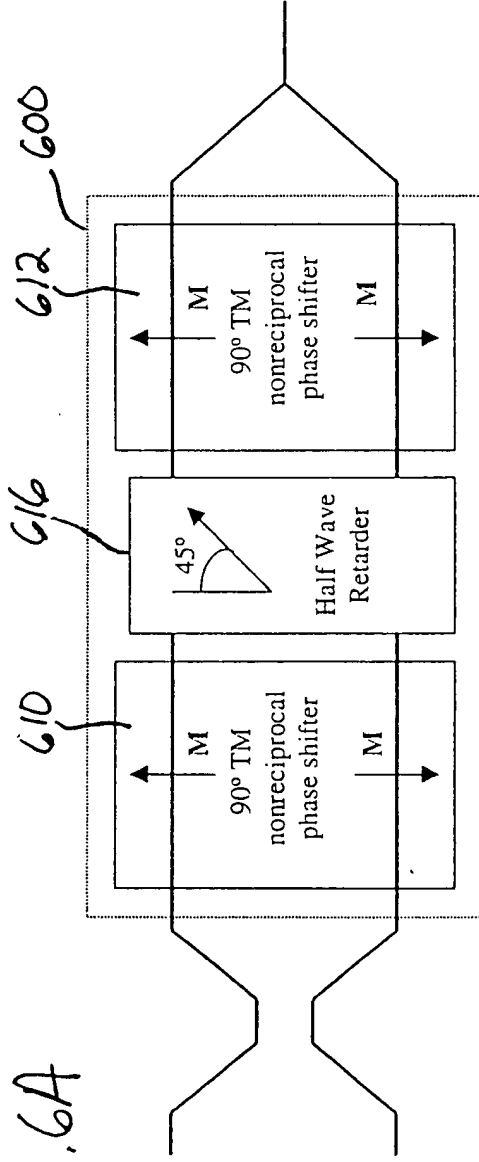


Fig. 6A





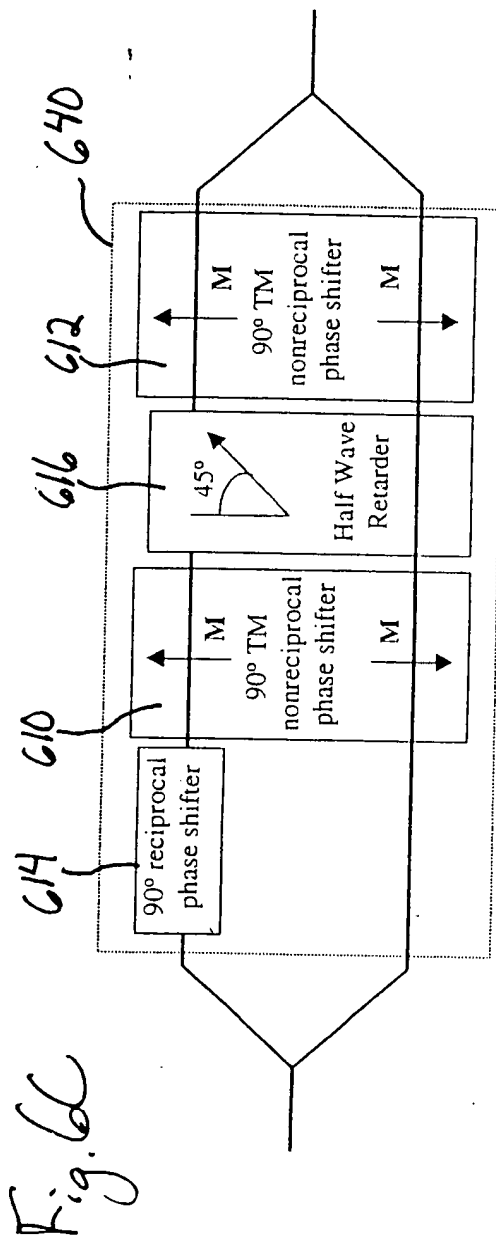
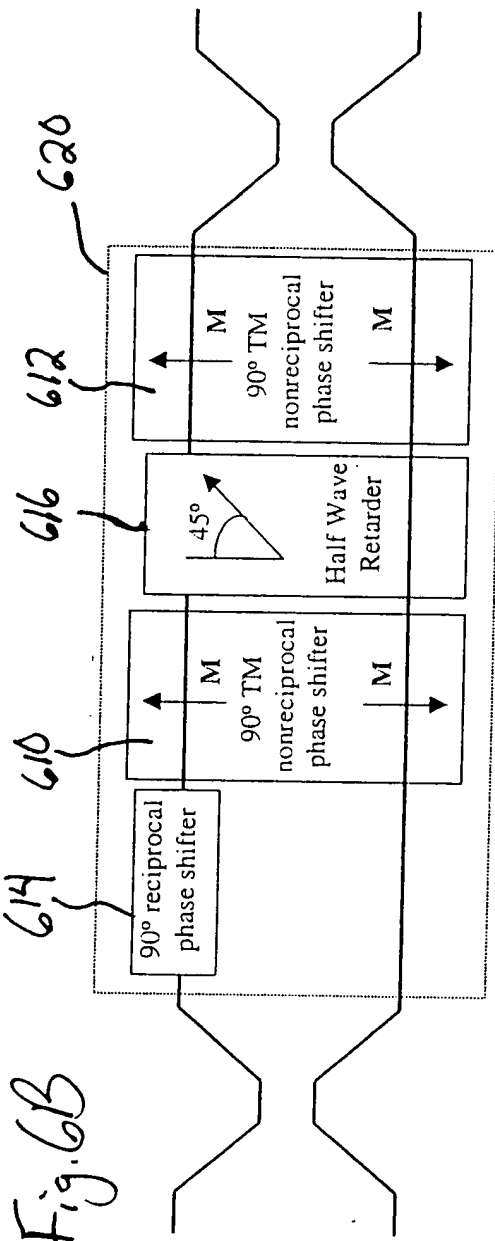
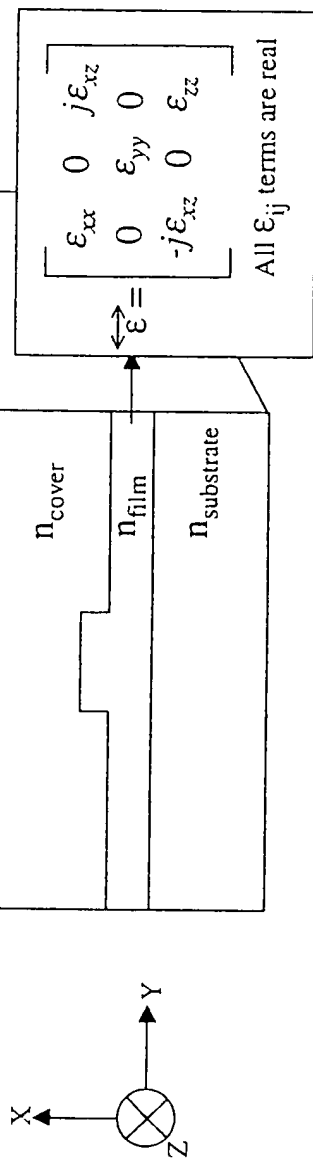


Fig. 7



$E_x, E_z$ : electric field components  
 $\omega$ : optical frequency  
 $\epsilon_0$ : dielectric constant in free space  
 $N$ : power normalization factor

$$\delta\beta = 2\Delta\beta = j \frac{2\omega\epsilon_0}{N} \iint E_x^* \epsilon_{xz} E_z dx dy$$

Choose:  $\delta\beta \cdot L = 90^\circ$

Fig. 8

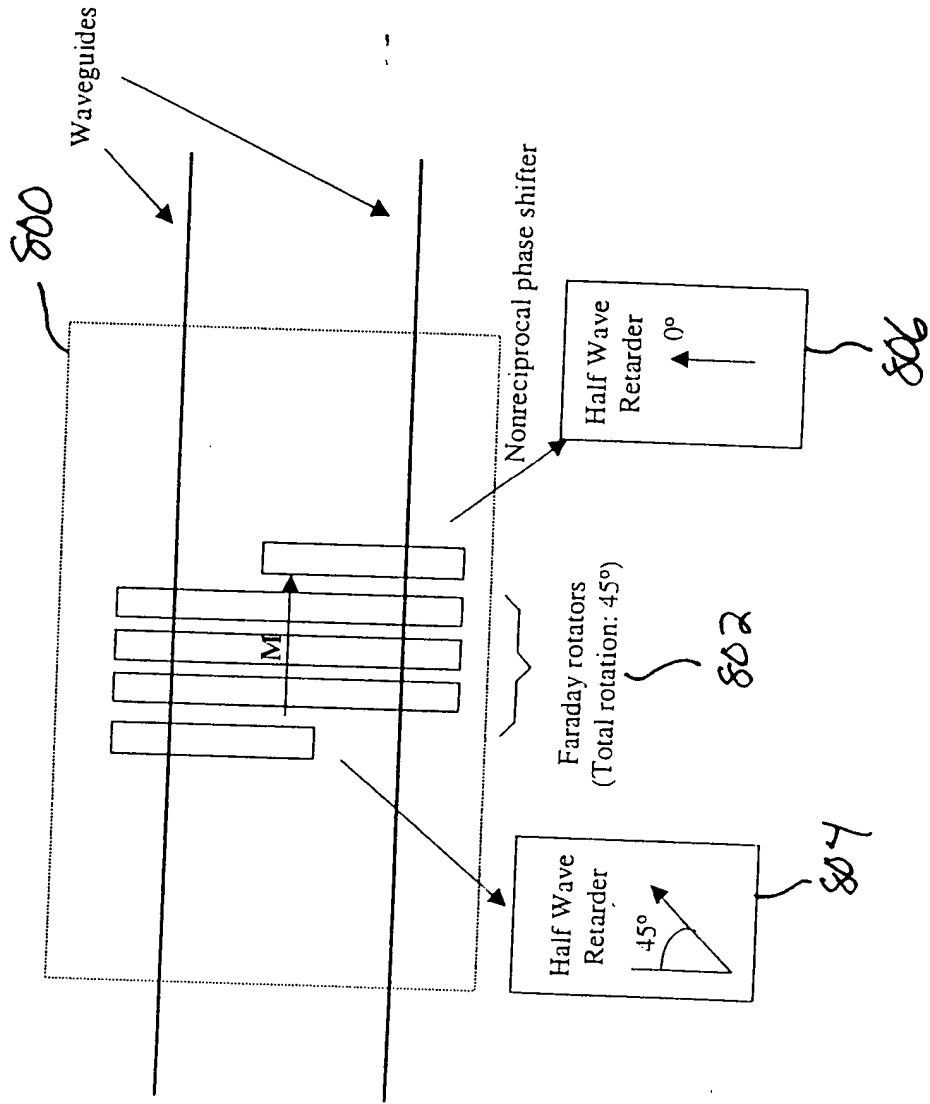


Fig. 9

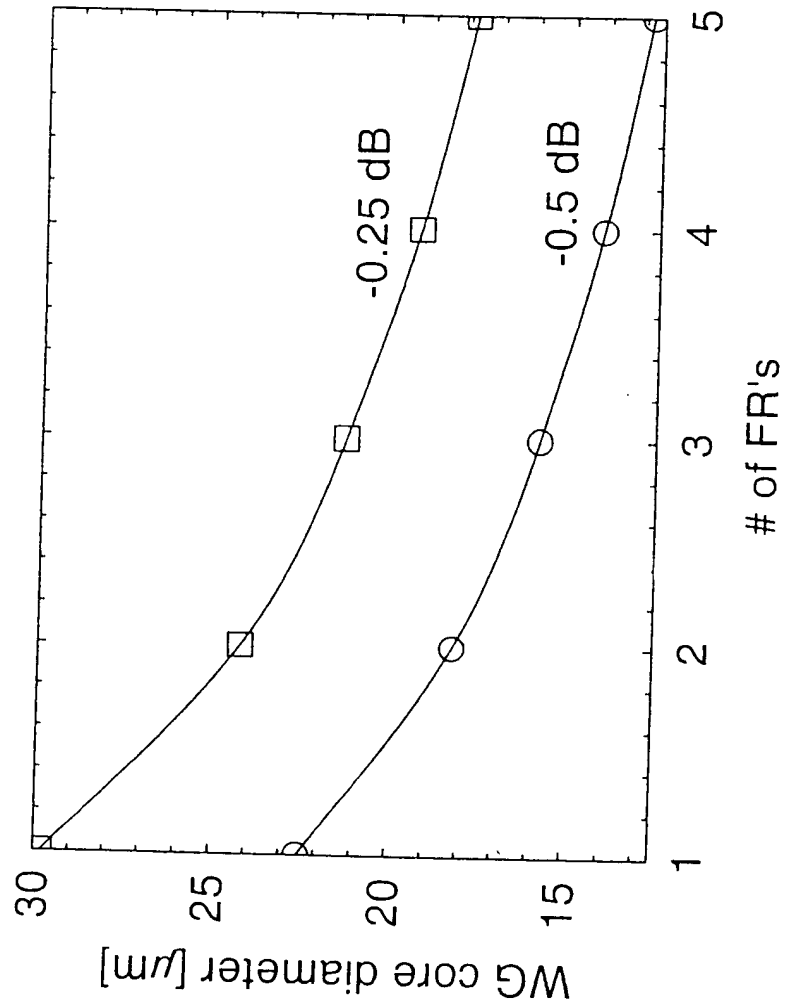


Fig. 10

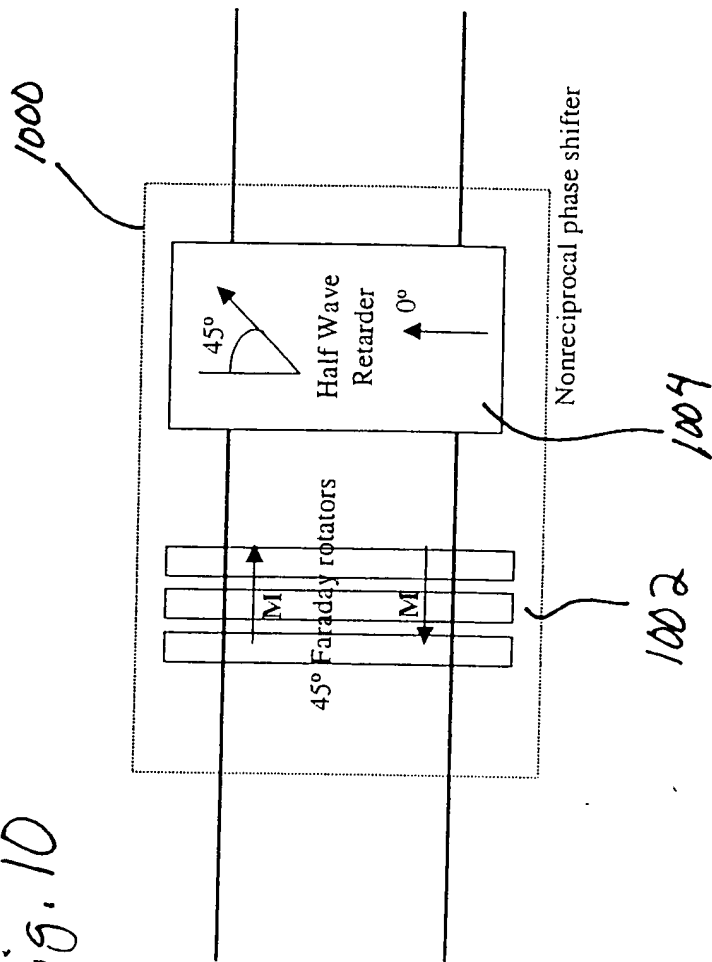


Fig. 11A

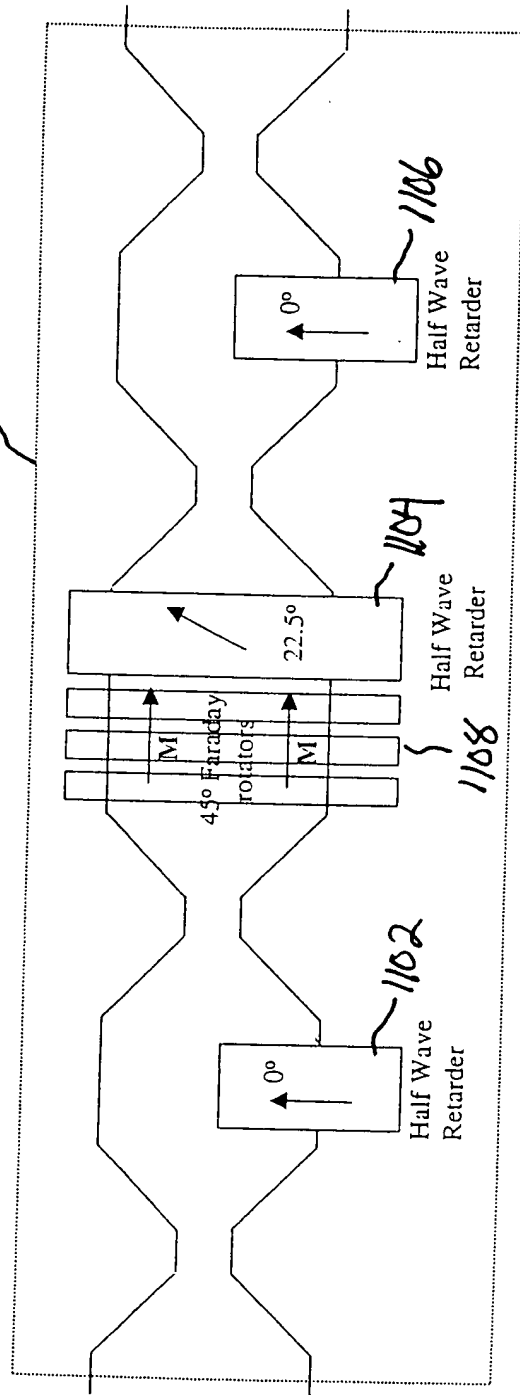


Fig. 11B

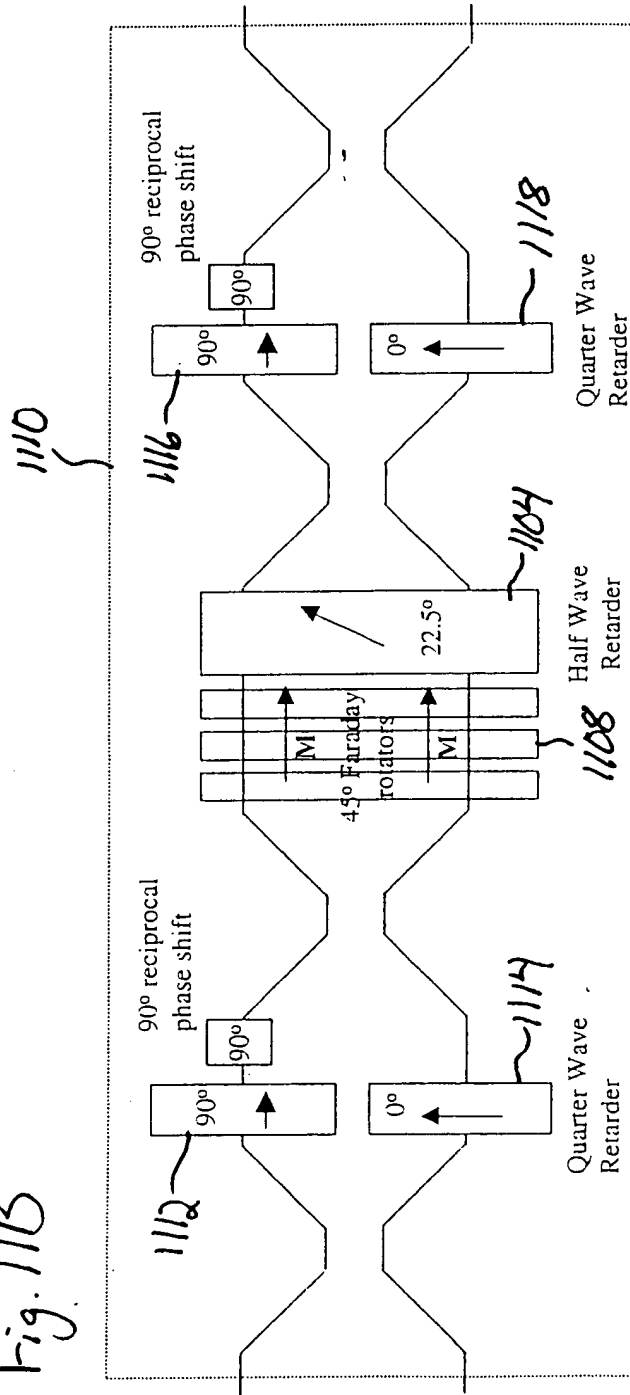


Fig. 12A

